



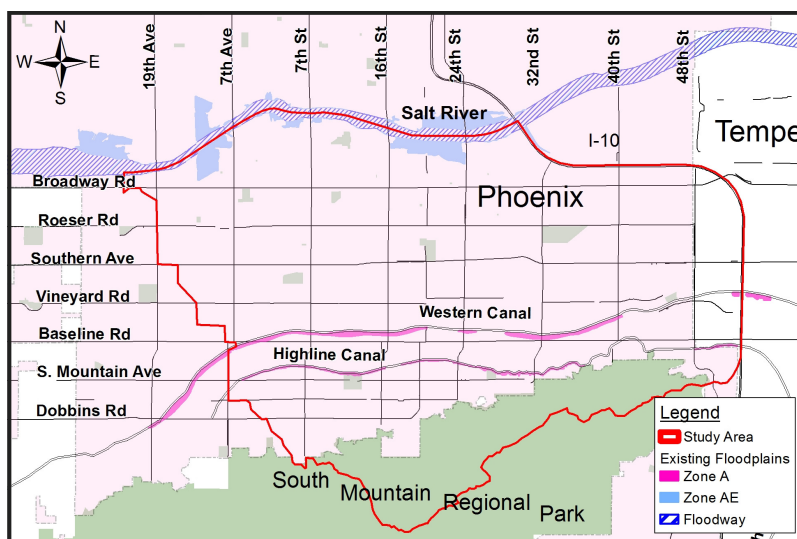
Hohokam Area Drainage Master Study/Plan

STUDY PURPOSE

The Flood Control District of Maricopa County (District), in association with the City of Phoenix (City), is conducting the Hohokam Area Drainage Master Study/Plan (ADMS/ADMP). The Hohokam ADMS/ADMP is a two-phase regional flood control planning project intended to identify flood prone areas and potential flood control improvements to reduce the flooding hazard. The Hohokam ADMS (Phase I) has been completed. This phase included the determination of existing flooding conditions and identification of flood areas. The Hohokam ADMP (Phase II) is currently underway to develop, evaluate, and recommend potential flood control improvements within the study area.

STUDY AREA

The Hohokam ADMS/ADMP study area is located within the cities of Phoenix and Tempe. The study area is 28 square miles in size and is bounded by I-10, the Salt River, South Mountain Park and a drainage boundary that runs northwest from Central Avenue (at South Mountain Regional Park) to 19th Avenue (at the Salt River).



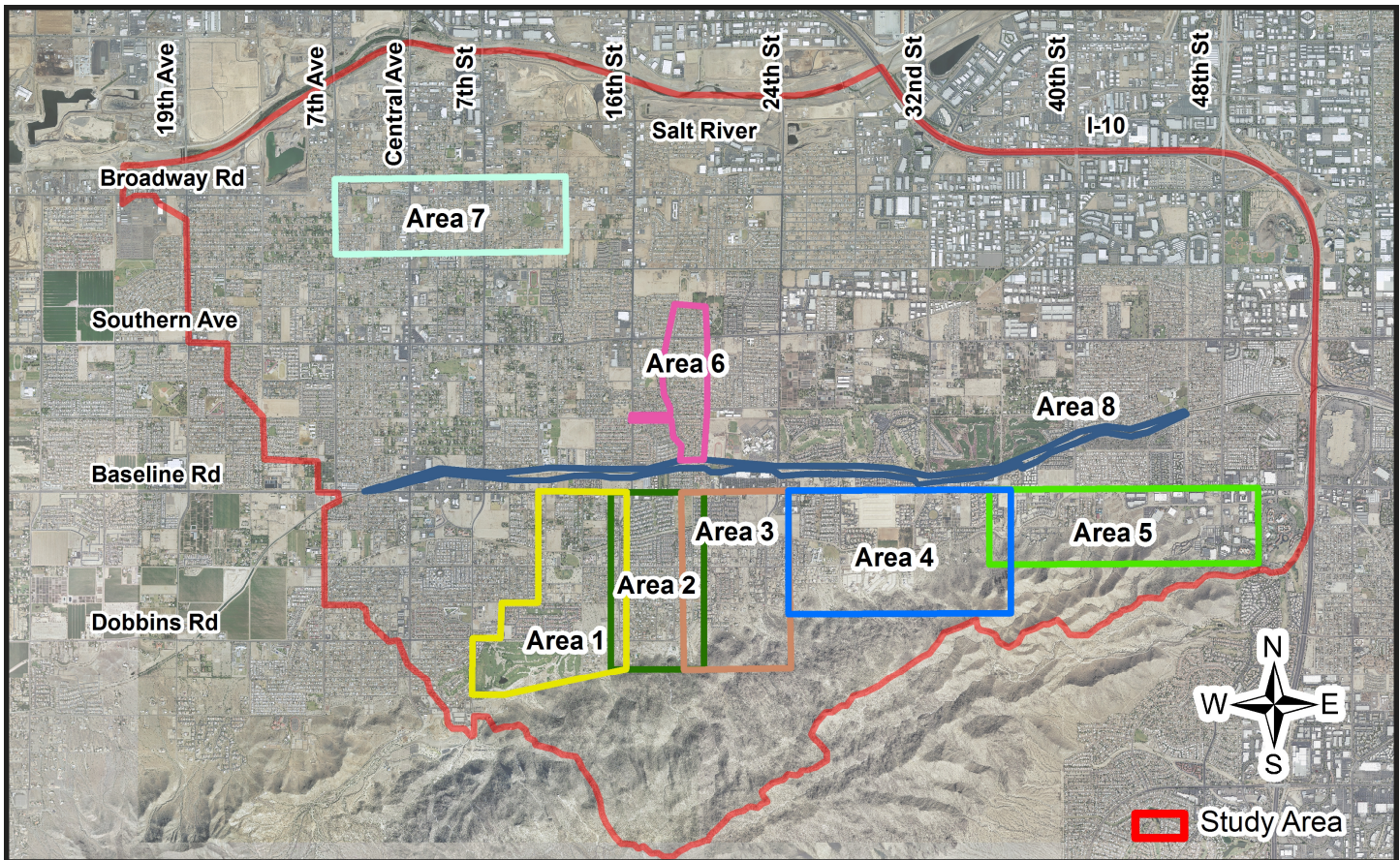
PUBLIC MEETINGS

In May 2008, public meetings were held to inform the community of the study and to request information on existing drainage and flooding conditions from residents living in the study area. Subsequent public meetings on January 31 and February 5, 2013 provided an update on the progress of the study, presented information on potential flood control measures and methods currently under consideration, and solicited comments from the community.

STUDY UPDATE

Since May 2008, the Hohokam ADMS/ADMP study team has completed the following major tasks:

- Developed a computer model that simulates the study area drainage patterns and estimates rainfall runoff.
- Verified the computer model using weather radar data from recent storm events, field observations and information provided by residents and local agencies.
- Identified and assessed flood prone areas.
- Formulated and analyzed multiple options for potential flood control improvements.
- Conducted a community assessment to identify compatible flood control measures and identify opportunities for community enhancement.
- Coordinated the involvement of local agencies and groups.



FLOOD PRONE AREAS

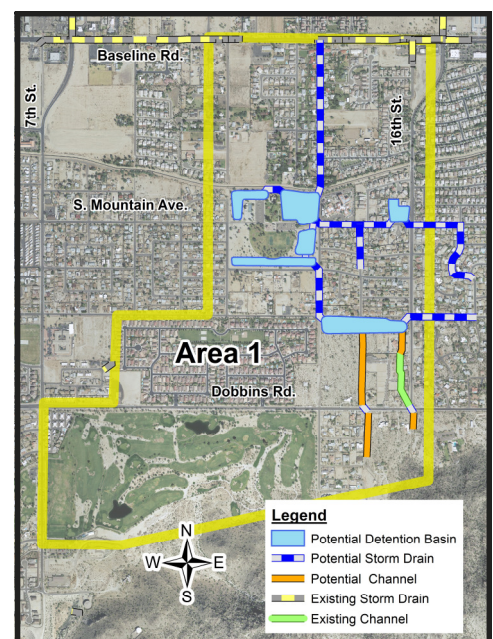
Based upon computer simulations, flooding complaints and information received from the community, specific flooding locations were identified and investigated to determine the cause and nature of the flooding conditions. Eight areas were initially identified. Upon further study, Areas 1, 2, 3 and 4 were determined to have large-scale regional flooding issues and were selected for further development of alternatives for regional flood control improvements. Areas 5, 6, 7 and 8 were determined to have more site-specific flooding issues that would be better addressed at a local level.

Area 1: 16th St. Corridor

Flooding Issues: Runoff from South Mountain Park, local street drainage and the lack of stormwater facilities each contribute to flooding in the area. Street flooding along 16th St. results in flooding of adjacent residential properties. Also, the concentration of floodwater at Circle K Park and near 16th St. overtops the Highline Canal and floods properties north of the canal.

Potential Improvements:

- Culverts and channels along 15th St., 16th St., and Dobbins Rd.
- Detention basins at 15th St. & Euclid Ave., 16th St. & South Mountain Ave., and within Circle K Park
- Storm drains along Euclid Ave., 14th St., 15th St., 16th St., South Mountain Ave. and 17th Way
- A storm drain along 14th St. from Circle K Park to an existing storm drain on Baseline Rd.
- Provides flood protection up to the 10-Year Storm (10% annual chance)

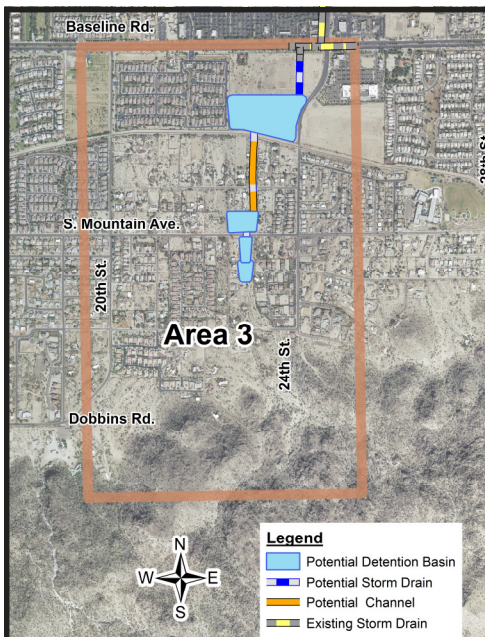
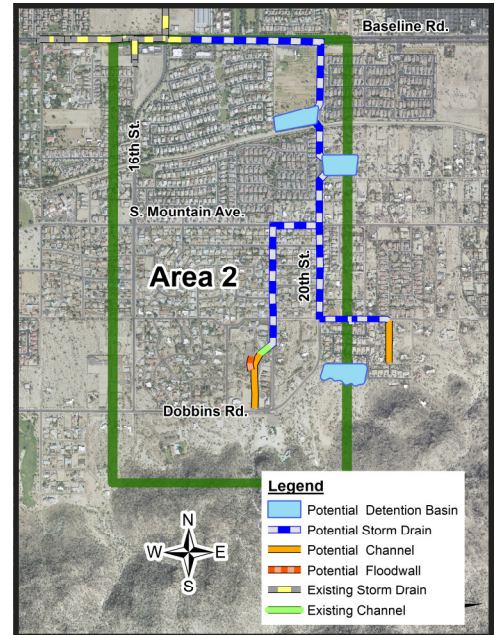


Area 2: 20th St. Corridor

Flooding Issues: A wash from South Mountain Park creates flooding along 19th St. and South Mountain Ave. East of 20th St., existing storm drains discharge mountain runoff directly to the streets resulting in flooding in the area. Floodwater readily overtops the Highline Canal and floods properties north of the canal.

Potential Improvements:

- Storm drains along 19th St., 20th St., Euclid Ave., and Baseline Rd.
- Channel along 21st Pl. south of Euclid Ave.
- Detention basins at 20th St./Desert Ln. and 20th St./Highline Canal
- Provides flood protection up to the 10-Year Storm (10% annual chance)



Area 3: 23rd St. Corridor

Flooding Issues: A wash from South Mountain Park creates flooding from South Mountain Ave. to the Highline Canal. Floodwater readily overtops the Highline Canal and floods properties north of the canal.

Potential Improvements:

- Detention basins at South Mountain Ave./23rd St. and 24th St./Highline Canal
- Channel along the 23rd St. alignment to detention basin
- Storm drain along 24th St. to existing storm drain on Baseline Rd.
- Provides flood protection up to the 10-Year Storm (10% annual chance)

Area 4: 24th-36th St. Corridor

Flooding Issues: Runoff from South Mountain Park results in flooding from 25th St. to 36th St. and ponding against block walls behind residential homes along the Highline Canal. Near 36th St., ponding floodwater has resulted in the collapse of these block walls in the past.

Potential Improvements:

At 27th St. & Francisco Highlands Park Area

- Storm drain on Winston Dr., Patricia St., South Mountain Ave. and 27th St.
- Detention basins within Francisco Highlands Park, along Watson Rd. and at 20th St./Highline Canal
- Storm drain along Highline Canal Road
- Storm drain along 24th St. to existing storm drain on Baseline Rd.
- Provides flood protection up to the 10-Year Storm (10% annual chance)



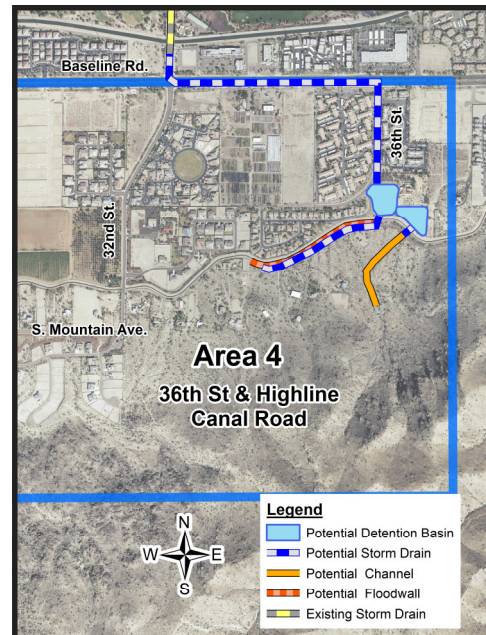
Area 4: 24th-36th St. Corridor (cont.)

At 36th St. and Highline Canal Road Area

- A low block wall south of the Highline Canal Trail from 36th St. to 34th Pl.
- A collection basin and storm drain inlets along the wall to capture runoff
- Detention basins at 36th St. and Highline Canal
- Storm drain along 36th St. to existing storm drain on Baseline Rd.
- Provides flood protection up to the 10-Year Storm (10% annual chance)

Area 5: Beautiful Lane Business Center

Flooding Issues: Mountain runoff, the lack of adequate drainage facilities and poor site development result in the flooding of isolated industrial buildings in the area. *As regional flood control improvements would primarily benefit only a few select businesses, no improvements are recommended for this area.*



Area 6: 18th St. and Vineyard Rd.

Flooding Issues: Flooding is primarily limited to street flooding resulting from a lack of storm water facilities for local street drainage. With a few exceptions, most homes are elevated and not subject to a high flood risk. *No regional flood control improvements are therefore recommended for this area.*

Area 7: Central & Broadway

Flooding Issues: Flooding issues in this area are largely due to the accumulation of water in low-lying areas. This was determined to be largely a local drainage issue which would not be resolved with regional solutions. *No regional flood control improvements are therefore recommended for this area.*

Area 8: Western Canal

Flooding Issues: Across much of the study area, the Western Canal is elevated resulting in the ponding of floodwater along the canal's upstream side. Given existing structures along the canal are generally elevated or located outside the floodplain limits and undeveloped properties can address the ponding upon development, flooding issues along the canal are best addressed upon development. *No flood control improvements are recommended.*

WHAT HAPPENS NEXT?

The Hohokam ADMP project team will complete the analysis of potential flood control improvements currently under consideration. This analysis will include the refinement of flood control alternatives, cost estimates and right-of-way requirements, and a cost/benefit assessment that considers community enhancements and multi-use opportunities. This information, combined with comments received from the public, will be used to select recommended flood control alternatives for further development. Conceptual design plans will be developed for the selected recommended flood control alternatives and incorporated into the Hohokam ADMP for use in planning future flood control improvements.

For additional information on this project, please contact:

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